

FIG. 1



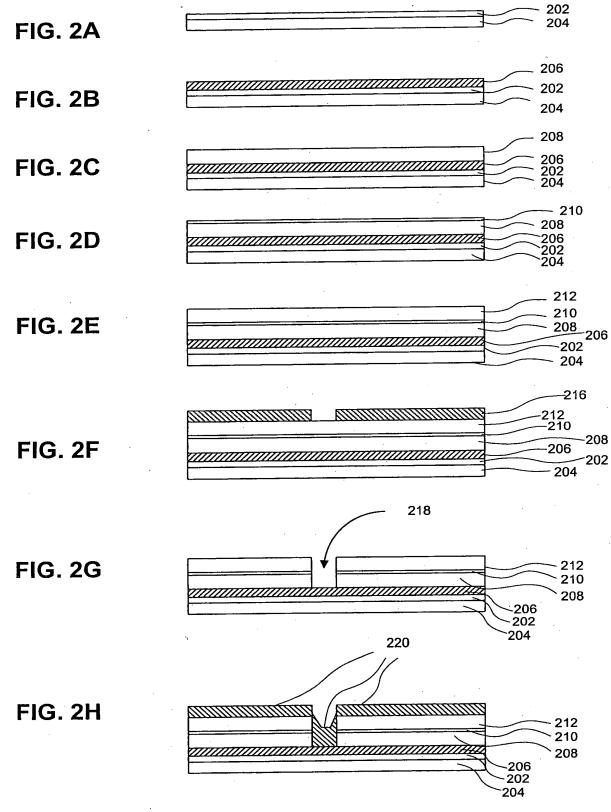




FIG. 21

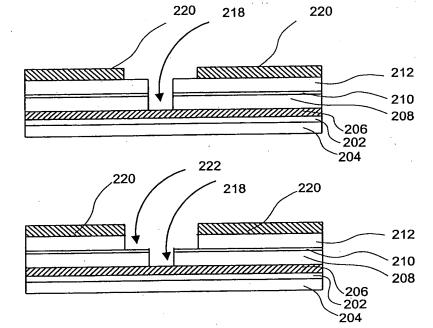


FIG. 2J



FIG. 2F'

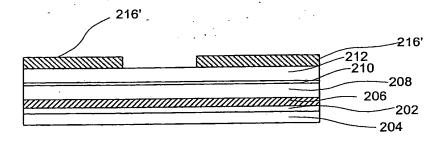


FIG. 2G'

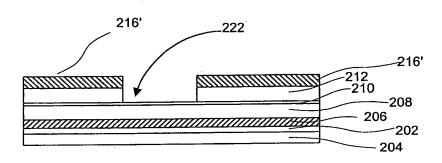


FIG. 2H'

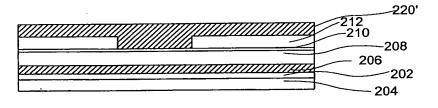


FIG. 21'

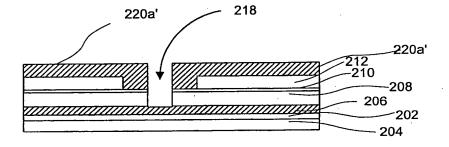
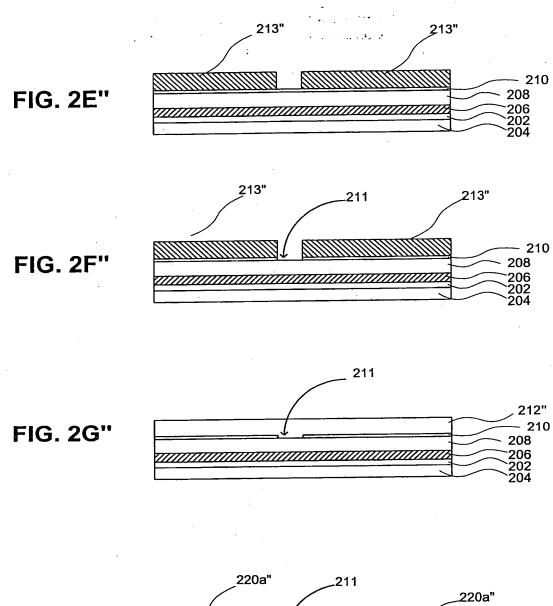




FIG. 2H"



212"

Resist poisoning using std. N incorporated SiC barrier film After trench patterning

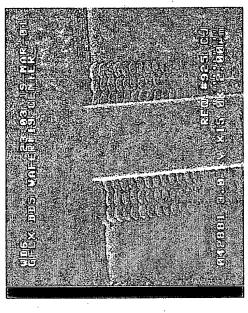


FIG. 3B

After trench etch

FIG. 3A



FIG. 3C

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Resist poison was solved by using 2-layer barrier stack in which top layer is N free.

